
Author Index of Volume 76

- Abu-Arabi, M.K. 61
Abu-Eishah, S.I. 197
Al-Abd, M.Z. 247
Al-Zoubi, H.S. 61
Allawzi, M.A. 61, 197
Antonini, G. 179
- Bani-Kananeh, A.A. 197
Baur, R. 33
Belhocine, D. 189
Benmaza, K. 99
Bhaskarwar, A.N. 89
Bibeau, L. 209
Borman, P.C. 223
- Carmello, D. 153
Chamkha, A.J. 159
Chitour, C.E. 99
Choi, B.-S. 103
- da Silva, F.A. 115
Darwish, M.A. 247
Davesac, R.R. 115
Do, D.D. 23
- El-Taweel, Y.A. 247
- Farell, A.E. 1
Ferreira, L.M. 115
Foscolo, P.U. 153
- Garg, R. 89
Garrod, D.B. 153
Grib, H. 189
- Heitz, M. 209
Higler, A.P. 33
Höfler Dr., T. 253
- Ibrahim, E.A. 17
Ioppi, M. 153
- Janse, A.M.C. 75, 77
Jorio, H. 209
- Kakati, M.C. 67
Ke, S.L. 169
Kock, F. 49
Kockel, T.K. 49
Koloini, T. 239
- Krishna, R. 33
Kuipers, J.A.M. 127, 223
- Langrish, T.A.G. 49
Lounici, H. 189
- Maarten Biesheuvel, P. 75, 77
Mameri, N. 189
Marek, M. 74
Marshall, S.O. 17
Mokrane, H. 189
- Nair, S. 89
Nikraves, M. 1
- Pardocchi, M. 153
Paus, A. 189
Pinto, L.T. 115
Pipus, G. 239
Plazl, I. 239
Prins, W. 75, 77
- Rodrigues, A.E. 115
Rutherford, S.W. 23
- Schliessmann, U. 253
Sève, E. 179
Sedahmed, G.H. 247
Singh, K.P. 67
Smit, B. 254
Stanford, T.G. 1
- Tamimi, A. 61
Taylor, R. 33
Ti, H.C. 169
Tuckwell, P.A. 49
- van Elk, E.P. 223
van Swaaij, W.P.M. 75, 77
Vas Bhat, R.D. 127
Verheijen, P.J.T. 73
Versteeg, G.F. 127, 223
Viel, G. 209
Yi, J. 103
- Zaid, T. Ahmed 99



Subject Index of Volume 76

- Adsorption dynamics
 - Adsorption dynamics measured by permeation and batch adsorption methods, 23
- Analytical solutions
 - Mass transfer with instantaneous chemical reaction in finite gas–liquid systems, 89
- Atomic ratio
 - Simple models for estimating helium density of coals, 67
- Batch adsorption
 - Adsorption dynamics measured by permeation and batch adsorption methods, 23
- Biofiltration
 - Effects of gas flow rate and inlet concentration on xylene vapors biofiltration performance, 209
- Biomass
 - A novel interconnected fluidised bed for the combined flash pyrolysis of biomass and combustion of char, 77
- Capacitance, inductance and resistance
 - Transient analysis of isothermal gas flow in pipeline network, 169
- Carbon dioxide production
 - Effects of gas flow rate and inlet concentration on xylene vapors biofiltration performance, 209
- Coal
 - Simple models for estimating helium density of coals, 67
- Computational fluid dynamics
 - Simulation and optimization on the regenerative thermal oxidation of volatile organic compounds, 103
- Concentration
 - Effects of gas flow rate and inlet concentration on xylene vapors biofiltration performance, 209
- Correlation
 - Simple models for estimating helium density of coals, 67
- Corrugated wall
 - Sulfonation of linear alkyl benzene (LAB) in a corrugated wall falling film reactor, 99
- DNNC
 - Control of nonisothermal CSTR with time varying parameters via dynamic neural network control (DNNC), 1
- Double decomposition
 - K₂SO₄ production via the double decomposition reaction of KCl and phosphogypsum, 197
- Dynamic penetration model
 - Modelling of gas–liquid reactors — implementation of the penetration model in dynamic modelling of gas–liquid processes with the presence of a liquid bulk, 223
- Electrical analogy
 - Transient analysis of isothermal gas flow in pipeline network, 169
- Electrochemical reactor
 - Liquid–solid mass transfer behaviour of rotating screen discs, 247
- Enzymatic hydrolysis
 - Optimization of enzymatic hydrolysis of haemoglobin in a continuous membrane bioreactor, 189
- Equilibrium stage model
 - Comparison of equilibrium stage and nonequilibrium stage models for reactive distillation, 33
- Esterification
 - Esterification of benzoic acid in microwave tubular flow reactor, 239
- Ethylene glycol
 - Comparison of equilibrium stage and nonequilibrium stage models for reactive distillation, 33
- Falling film reactor
 - Sulfonation of linear alkyl benzene (LAB) in a corrugated wall falling film reactor, 99
- Fluid dynamics
 - Design, numerical simulation and experimental testing of a modified probe for measuring temperatures and humidities in two-phase flow, 49
- Fluidised bed reactor
 - Horizontal gas mixing in the distributor region of a fluidised bed reactor, 153
- Gas absorption
 - Mass transfer with instantaneous chemical reaction in finite gas–liquid systems, 89
- Gas flow rate
 - Effects of gas flow rate and inlet concentration on xylene vapors biofiltration performance, 209
- Gas lateral mixing
 - Horizontal gas mixing in the distributor region of a fluidised bed reactor, 153
- Gas pipeline
 - Transient analysis of isothermal gas flow in pipeline network, 169
- Gas sampling
 - Design, numerical simulation and experimental testing of a modified probe for measuring temperatures and humidities in two-phase flow, 49
- Gas–liquid reactors
 - Modelling of gas–liquid reactors — implementation of the penetration model in dynamic modelling of gas–liquid processes with the presence of a liquid bulk, 223
- Gas–liquid system
 - Mass transfer with complex chemical reactions in gas–liquid systems: two-step reversible reactions with unit stoichiometric and kinetic orders, 127
- Gas-phase and surface resistances
 - Mass transfer with instantaneous chemical reaction in finite gas–liquid systems, 89
- Haemoglobin
 - Optimization of enzymatic hydrolysis of haemoglobin in a continuous membrane bioreactor, 189
- Helium density
 - Simple models for estimating helium density of coals, 67
- Hygrometer
 - Design, numerical simulation and experimental testing of a modified probe for measuring temperatures and humidities in two-phase flow, 49

- Instability
 Instability of a liquid jet of parabolic velocity profile, 17
- Instantaneous reaction
 Mass transfer with instantaneous chemical reaction in finite gas–liquid systems, 89
- Interconnected fluidised bed
 A novel interconnected fluidised bed for the combined flash pyrolysis of biomass and combustion of char, 77
- Ion exchange resins
 Esterification of benzoic acid in microwave tubular flow reactor, 239
- Isothermal flows
 Transient analysis of isothermal gas flow in pipeline network, 169
- K_2SO_4 production
 K_2SO_4 production via the double decomposition reaction of KCl and phosphogypsum, 197
- Liquid jet
 Instability of a liquid jet of parabolic velocity profile, 17
- Mass transfer
 Mass transfer with complex chemical reactions in gas–liquid systems: two-step reversible reactions with unit stoichiometric and kinetic orders, 127
 Modelling of gas–liquid reactors — implementation of the penetration model in dynamic modelling of gas–liquid processes with the presence of a liquid bulk, 223
 Liquid-solid mass transfer behaviour of rotating screen discs, 247
- Maxwell–Stefan equations
 Comparison of equilibrium stage and nonequilibrium stage models for reactive distillation, 33
- Membrane bioreactor
 Optimization of enzymatic hydrolysis of haemoglobin in a continuous membrane bioreactor, 189
- Methyl tert-butyl ether synthesis
 Comparison of equilibrium stage and nonequilibrium stage models for reactive distillation, 33
- Microwave heating
 Esterification of benzoic acid in microwave tubular flow reactor, 239
- Modelling
 Simple models for estimating helium density of coals, 67
- Modified probe
 Design, numerical simulation and experimental testing of a modified probe for measuring temperatures and humidities in two-phase flow, 49
- Moving-boundary problem
 Mass transfer with instantaneous chemical reaction in finite gas–liquid systems, 89
- Multiple steady states
 Comparison of equilibrium stage and nonequilibrium stage models for reactive distillation, 33
- Nonequilibrium stage model
 Comparison of equilibrium stage and nonequilibrium stage models for reactive distillation, 33
- Nonisothermal CSTR
 Control of nonisothermal CSTR with time varying parameters via dynamic neural network control (DNNC), 1
- Numerical solution
 Mass transfer with instantaneous chemical reaction in finite gas–liquid systems, 89
- Orifice
 A novel interconnected fluidised bed for the combined flash pyrolysis of biomass and combustion of char, 77
- Papaine
 Optimization of enzymatic hydrolysis of haemoglobin in a continuous membrane bioreactor, 189
- Peat
 Effects of gas flow rate and inlet concentration on xylene vapors biofiltration performance, 209
- Permeation adsorption
 Adsorption dynamics measured by permeation and batch adsorption methods, 23
- Phosphogypsum process
 K_2SO_4 production via the double decomposition reaction of KCl and phosphogypsum, 197
- Phosphogypsum solubility
 K_2SO_4 production via the double decomposition reaction of KCl and phosphogypsum, 197
- Physical properties of coal
 Simple models for estimating helium density of coals, 67
- Pyrolysis
 A novel interconnected fluidised bed for the combined flash pyrolysis of biomass and combustion of char, 77
- Reactive distillation
 Comparison of equilibrium stage and nonequilibrium stage models for reactive distillation, 33
- Regenerative thermal oxidation (RTO)
 Simulation and optimization on the regenerative thermal oxidation of volatile organic compounds, 103
- Rotating cone reactor
 A novel interconnected fluidised bed for the combined flash pyrolysis of biomass and combustion of char, 77
- Rotating screen disc
 Liquid-solid mass transfer behaviour of rotating screen discs, 247
- Standpipe
 A novel interconnected fluidised bed for the combined flash pyrolysis of biomass and combustion of char, 77
- Steady and transient analysis
 Transient analysis of isothermal gas flow in pipeline network, 169
- Stoichiometry
 Mass transfer with complex chemical reactions in gas–liquid systems: two-step reversible reactions with unit stoichiometric and kinetic orders, 127
- Sulfonation of LAB
 Sulfonation of linear alkyl benzene (LAB) in a corrugated wall falling film reactor, 99
- Swirling motion
 Design, numerical simulation and experimental testing of a modified probe for measuring temperatures and humidities in two-phase flow, 49
- Time varying parameters
 Control of nonisothermal CSTR with time varying parameters via dynamic neural network control (DNNC), 1
- Tray design
 Comparison of equilibrium stage and nonequilibrium stage models for reactive distillation, 33
- Turbulent fluidisation
 Horizontal gas mixing in the distributor region of a fluidised bed reactor, 153
- Two-step reaction
 Mass transfer with complex chemical reactions in gas–liquid systems: two-step reversible reactions with unit stoichiometric and kinetic orders, 127
- Velocity profile
 Instability of a liquid jet of parabolic velocity profile, 17
- Volatile organic compounds (VOC)
 Simulation and optimization on the regenerative thermal oxidation of volatile organic compounds, 103
- Xylene isomers
 Effects of gas flow rate and inlet concentration on xylene vapors biofiltration performance, 209

